

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 2000:345417 CAPLUS
 DN 133:146530
 TI Primary structure of CHH/MIH/GIH-like peptides in sinus gland extracts from *Penaeus vannamei*
 AU Wang, Y. J.; Hayes, T. K.; Holman, G. M.; Chavez, A. R.; Keeley, L. L.
 CS Department of Entomology, Texas A&M University, College Station, TX, 77843-2475, USA
 SO Peptides (New York) (2000), 21(4), 477-484
 CODEN: PPTDD5; ISSN: 0196-9781
 PB Elsevier Science Inc.
 DT Journal
 LA English
 CC 6-3 (General Biochemistry)
 Section cross-reference(s): 12
 AB Peptides belonging to the CHH/MIH/GIH-family of crustacean hormones were isolated from acetic acid exts. of sinus glands isolated from eyestalks of the shrimp, *Penaeus vannamei*. The peptides were isolated by chromatog. and mol. wts. detd. by MALDI mass spectrometry. Peptides in the range of 7-9 kDa and contg. three disulfide bridges were selected for amino acid sequence anal. Three peptides with the requisite properties were present in sufficient amts. for sequence anal. Two peptides had unique sequences similar to CHH/MIH/GIH peptides from other crustaceans. A third peptide seemed to be a truncated form of one of the previous sequences.
 ST *Penaeus* sinus gland peptide sequence
 IT Proteins, specific or class
 RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
 (PK20; primary structure of CHH/MIH/GIH-like peptides in sinus gland exts. from *Penaeus vannamei*)
 IT Proteins, specific or class
 RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
 -(PK21; primary structure of CHH/MIH/GIH-like peptides in sinus gland exts. from *Penaeus vannamei*)
 IT Proteins, specific or class
 RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
 (PK26; primary structure of CHH/MIH/GIH-like peptides in sinus gland exts. from *Penaeus vannamei*)
 IT Proteins, specific or class
 RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
 (PK27; primary structure of CHH/MIH/GIH-like peptides in sinus gland exts. from *Penaeus vannamei*)
 IT Proteins, specific or class
 RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
 (PK28; primary structure of CHH/MIH/GIH-like peptides in sinus gland exts. from *Penaeus vannamei*)
 IT *Penaeus vannamei*
 Protein sequences
 (primary structure of CHH/MIH/GIH-like peptides in sinus gland exts. from *Penaeus vannamei*)
 IT Eyestalk
 (sinus gland; primary structure of CHH/MIH/GIH-like peptides in sinus gland exts. from *Penaeus vannamei*)
 IT 287398-39-4 287417-48-5 287478-97-1 287478-98-2 287478-99-3
 RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
 (amino acid sequence; primary structure of CHH/MIH/GIH-like peptides in

sinus gland exts. from *Penaeus vannamei*)

=>

2

L11 ANSWER 30 OF 36 MEDLINE on STN DUPLICATE 18
AN 93352959 MEDLINE
DN 93352959 PubMed ID: 8349917
TI Essentials of pressure ulcer treatment. The diabetic experience.
AU Miller O F 3rd
CS Department of Dermatology, Geisinger Clinic, Danville, Pennsylvania 17822.
SO JOURNAL OF DERMATOLOGIC SURGERY AND ONCOLOGY, (1993 Aug) 19 (8) 759-63.
Ref: 16
Journal code: 7707501. ISSN: 0148-0812.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LA English
FS Priority Journals
EM 199309
ED Entered STN: 19931001
Last Updated on STN: 19931001
Entered Medline: 19930916
AB BACKGROUND. Diabetes accounts for over half of the lower extremity amputations in the United States. However, ulcers of the diabetic foot can often be **treated** successfully and amputations avoided.
OBJECTIVE. To review **treatment** of **diabetic foot ulcers**. RESULTS. Physicians must recognize the critical clinical and diagnostic features of ischemic and neuropathic ulcers. Therapy is directed towards **vascular** repair in the ischemic ulcer and relief of weight bearing through casting and shoes with molded insoles in the neuropathic ulcer. Sound principles of wound care apply to all ulcers. CONCLUSION. For successful preventive foot care patients and physicians need to understand how and why ulcers form and the rationale for the types of footwear and care necessary to prevent ulcers.

761 FILE SCISEARCH
2 FILE SYNTHLINE
284 FILE TOXCENTER
479 FILE USPATFULL
14 FILE USPAT2
109 FILE WPIDS
109 FILE WPINDEX

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1* FILE BIOTECHDS
22* FILE BIOTECHNO
7 FILE CANCERLIT
28 FILE CAPLUS
0* FILE CEABA-VTB
0* FILE CIN
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2 FILE DDFU
3 FILE DRUGU
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0* FILE FOREGE
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L2

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SEA L2 (P) LYMPHOI?

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1 FILE WPINDEX
QUE L2(P) LYMPHOI?

L3

L4 7 S L3
L5 3 DUP REM L4 (4 DUPLICATES REMOVED)
L6 1 S IMMUNOPHILIN(P)CYTOPLASM(P)8.4

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,
BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA,
CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DISSABS,
DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, ...' ENTERED AT 13:33:40 ON 17 NOV
2003

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L7 ----- QUE IMMUNOPHILIN(P) CYTOPLASM(P) 8.4 -----

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BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA,
CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DISSABS,
DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, ...' ENTERED AT 13:30:21 ON 17 NOV
2003

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1 FILE PHARMAML
7 FILE PHIN
19 FILE PROMT

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L1          328 MQIFVKTLTGKTITLEVEPSDTI/SQSP
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Numeric values may contain 1-8 significant figures.  If range notation
is used, both the beginning and the end of the range must be
specified, e.g., '250-300/MW'.  Expressions such as '250-/MW' are not
allowed.  To search for values above or below a given number, use the
>, =>, <, or <= operators, e.g., 'MW => 250'.  Text terms cannot be
used in numeric expressions.  If you specify a unit, it must be
dimensionally correct for that field code.  To see the unit
designations for field codes in the current file, enter "DISPLAY UNIT
ALL" at an arrow prompt (=>).
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=> s l1 and sql<50
          3358574 SQL<50
L2          9 L1 AND SQL<50
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CN  Glycine, L-methionyl-L-glutaminyl-L-isoleucyl-L-phenylalanyl-L-valyl-L-
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isoleucyl-L-phenylalanyl-L-alanyl- (9CI)  (CA INDEX NAME)
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OTHER NAMES:-----
CN  1-47-Ubiquitin (Theragra chalcogramms)
FS  PROTEIN SEQUENCE
SQL  47
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MF  C234 H388 N60 O73 S
CI  MAN
SR  CA
LC  STN Files:   CA, CAPLUS
          1 REFERENCES IN FILE CA (1907 TO DATE)
          1 REFERENCES IN FILE CAPLUS (1907 TO DATE)
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L2  ANSWER 2 OF 9  REGISTRY  COPYRIGHT 2003 ACS on STN
RN  600695-67-8  REGISTRY
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CN  1-47-Ubiquitin-like protein (Theragra chalcogramms)
FS  PROTEIN SEQUENCE
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HITS AT: 1-23

MF C237 H385 N59 O73 S

CI MAN

SR CA

LC STN Files: CA, CAPLUS

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L2 ANSWER 3 OF 9 REGISTRY COPYRIGHT 2003 ACS on STN

RN 487523-03-5 REGISTRY

CN GenBank CAA03216 (9CI) (CA INDEX NAME)

OTHER NAMES:

CN GenBank CAA03216 (Translated from: GenBank A50296)

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SR GenBank

L2 ANSWER 4 OF 9 REGISTRY COPYRIGHT 2003 ACS on STN

RN 481136-72-5 REGISTRY

CN GenBank BAB79490 (9CI) (CA INDEX NAME)

OTHER NAMES:

CN GenBank BAB79490 (Translated from: GenBank AB062071)

FS PROTEIN SEQUENCE

SQL 34

SEQ 1 MQIFVKLTG KTITLEVEPS DTIENVKAKI QDKE
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CI MAN

SR GenBank

L2 ANSWER 5 OF 9 REGISTRY COPYRIGHT 2003 ACS on STN

RN 442852-24-6 REGISTRY

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OTHER NAMES:

CN 13: PN: WO02057462 PAGE: 14 unclaimed sequence

FS PROTEIN SEQUENCE; STEREOSEARCH

SQL 30

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Sequence | Patent

Source | Reference

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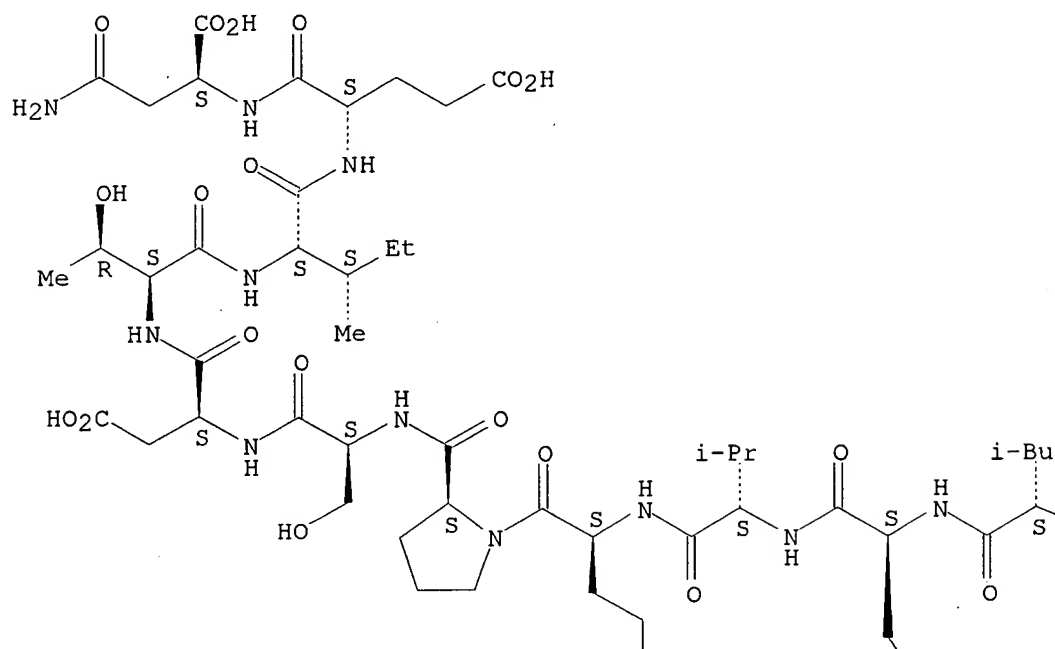
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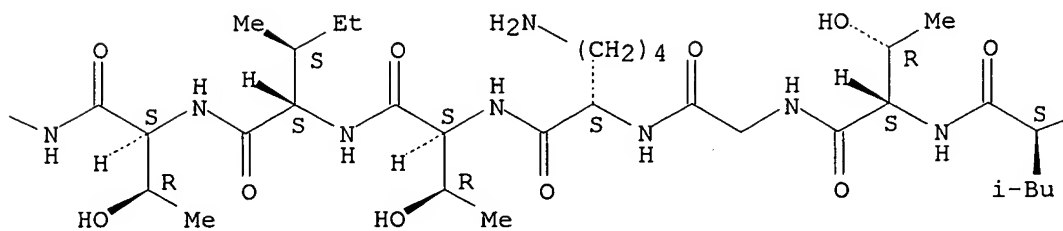
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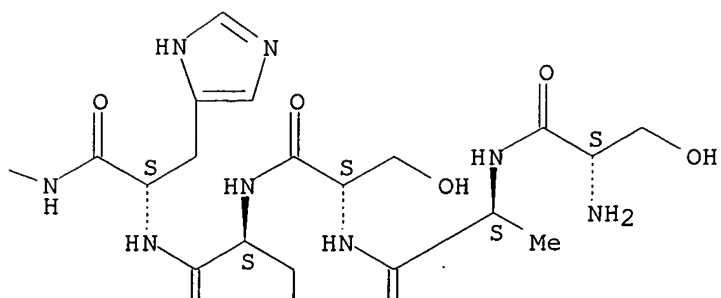
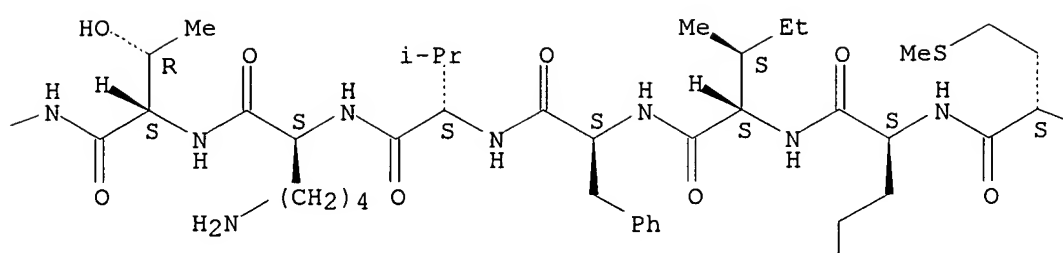
LC STN Files: CA, CAPLUS

PAGE 1-A

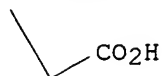


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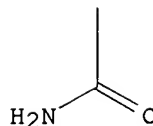




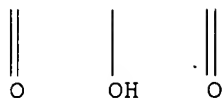
PAGE 2-A



PAGE 2-C



PAGE 2-D



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 6 OF 9 REGISTRY COPYRIGHT 2003 ACS on STN
RN 438449-82-2 REGISTRY

CN L-Isoleucine, L-methionyl-L-glutaminyl-L-isoleucyl-L-phenylalanyl-L-valyl-
L-lysyl-L-threonyl-L-leucyl-L-threonylglycyl-L-lysyl-L-threonyl-L-
isoleucyl-L-threonyl-L-leucyl-L-.alpha.-glutamyl-L-valyl-L-.alpha.-
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NAME)

OTHER NAMES:

CN 1: PN: US6410340 SEQID: 1 claimed sequence
FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 23

PATENT ANNOTATIONS (PNTE):

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Source	Reference
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	claimed
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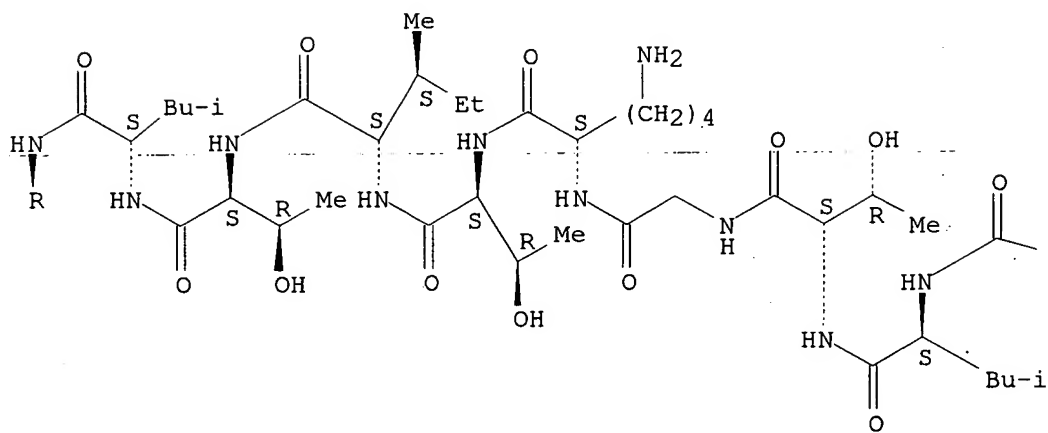
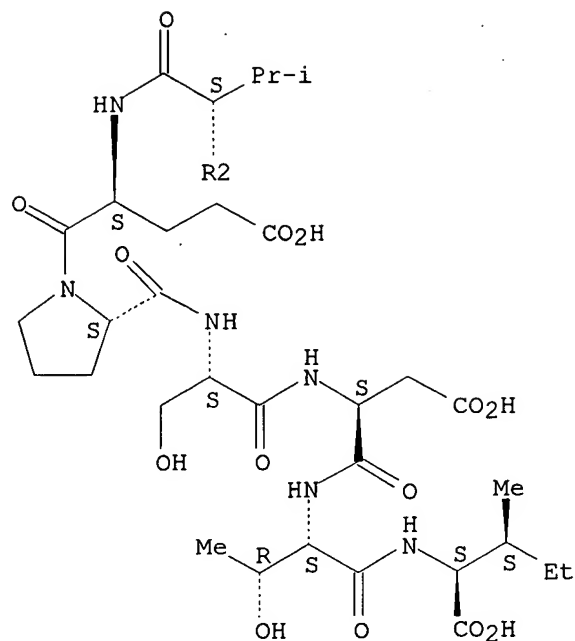
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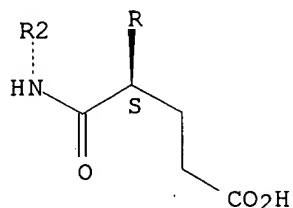
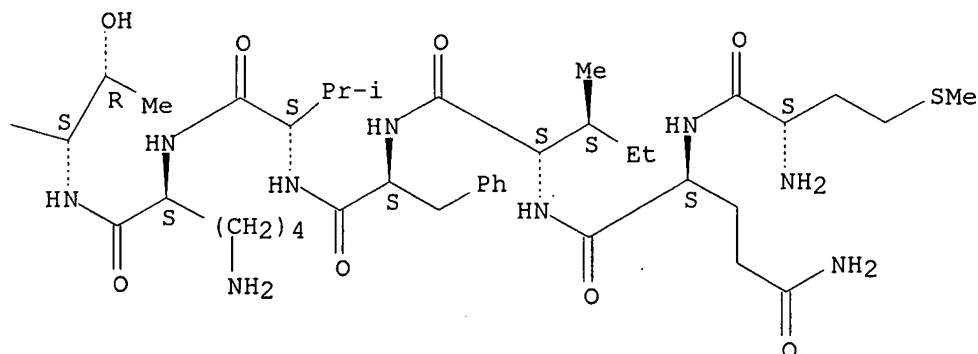
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SR CA

LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.





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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 7 OF 9 REGISTRY COPYRIGHT 2003 ACS on STN
RN 287398-39-4 REGISTRY
CN L-Isoleucine, L-methionyl-L-glutaminyl-L-isoleucyl-L-phenylalanyl-L-valyl-L-lysyl-L-threonyl-L-leucyl-L-threonylglycyl-L-lysyl-L-threonyl-L-isoleucyl-L-threonyl-L-leucyl-L-.alpha.-glutamyl-L-valyl-L-.alpha.-glutamyl-L-prolyl-L-seryl-L-.alpha.-aspartyl-L-threonyl-L-isoleucyl-L-.alpha.-glutamyl-L-asparaginyl-L-valyl-L-lysyl-L-alanyl-L-lysyl- (9CI)
(CA INDEX NAME)

OTHER NAMES:

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FS PROTEIN SEQUENCE; STEREOSEARCH
SQL 30

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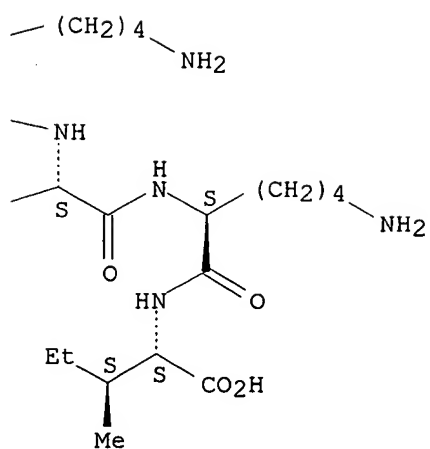
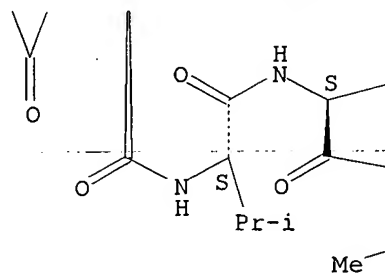
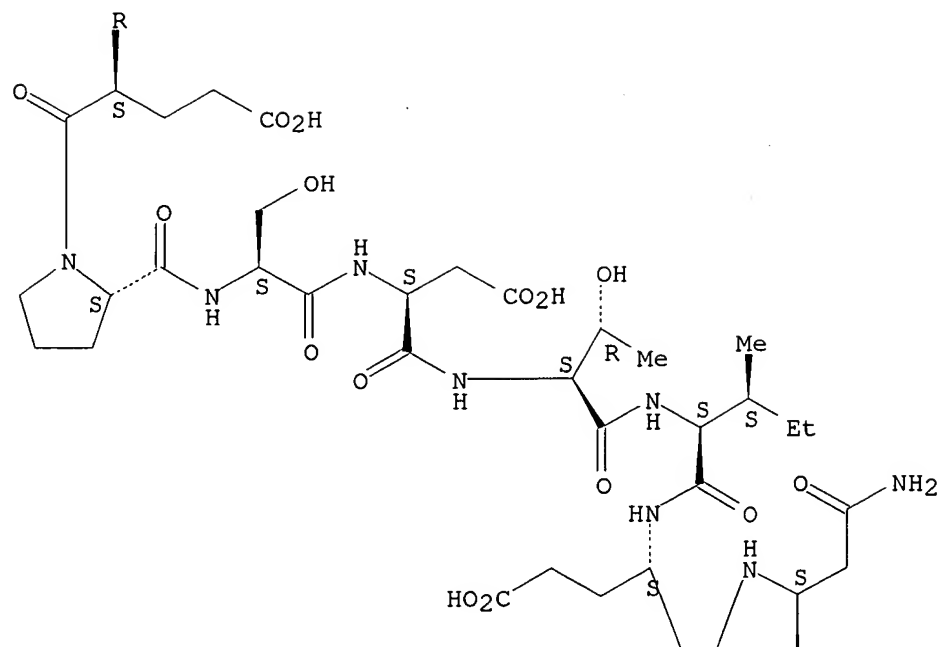
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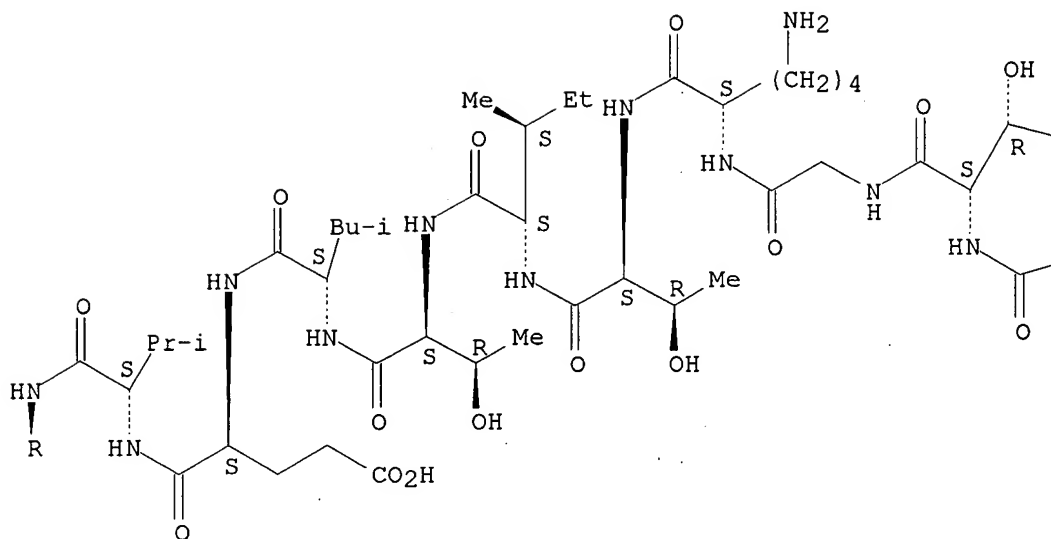
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LC STN Files: CA, CAPLUS

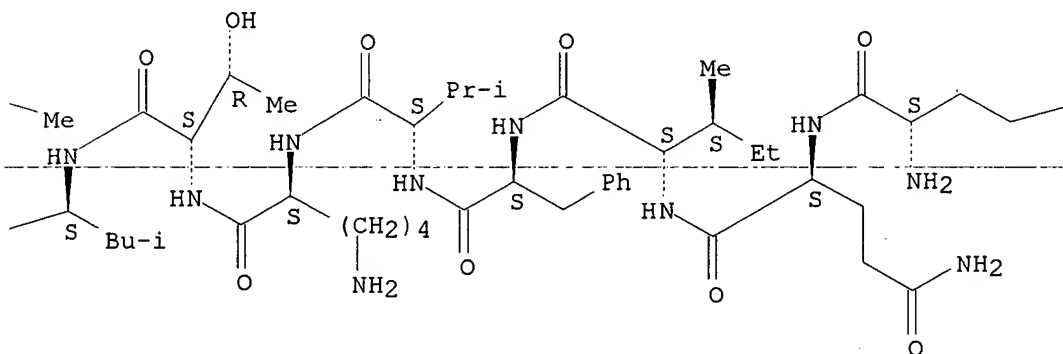
Absolute stereochemistry.



PAGE 3-A



PAGE 3-B



PAGE 3-C

—SMe

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 8 OF 9 REGISTRY COPYRIGHT 2003 ACS on STN
RN 229980-78-3 REGISTRY
CN L-Aspartic acid, L-methionyl-L-glutaminyl-L-isoleucyl-L-phenylalanyl-L-valyl-L-lysyl-L-threonyl-L-leucyl-L-threonylglycyl-L-lysyl-L-threonyl-L-isoleucyl-L-threonyl-L-leucyl-L-.alpha.-glutamyl-L-valyl-L-.alpha.-glutamyl-L-prolyl-L-seryl-L-.alpha.-aspartyl-L-threonyl-L-isoleucyl-L-

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FS PROTEIN SEQUENCE; STEREOSEARCH

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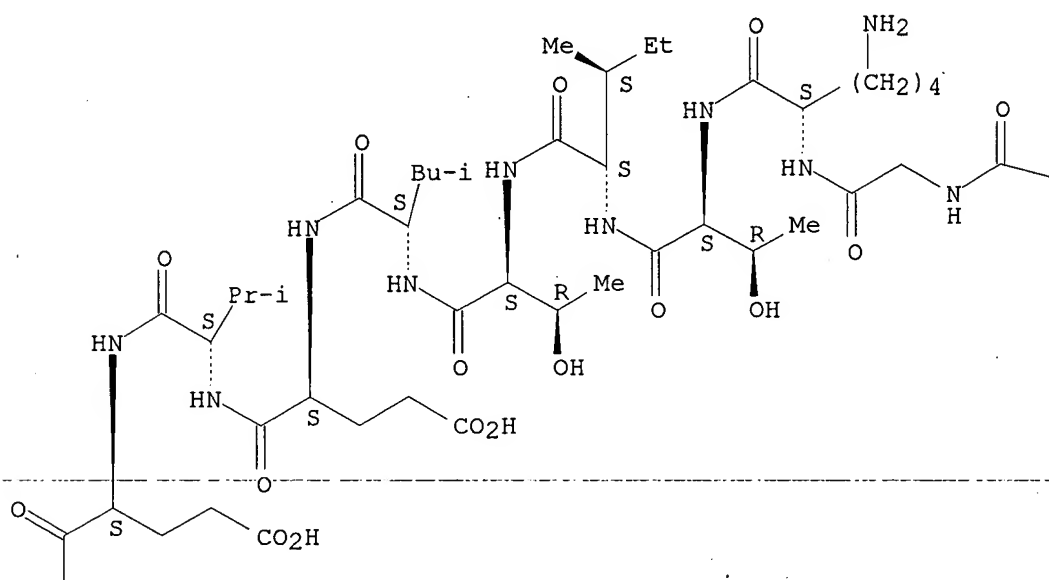
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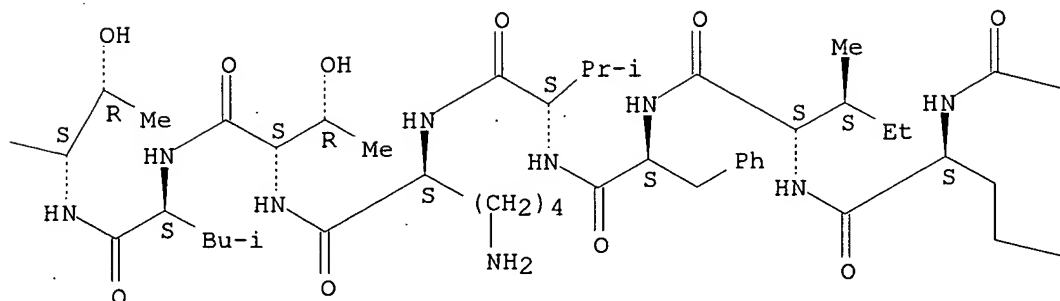
LC STN Files: CA, CAPLUS

Absolute stereochemistry.

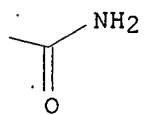
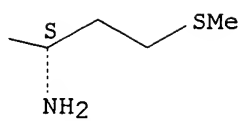
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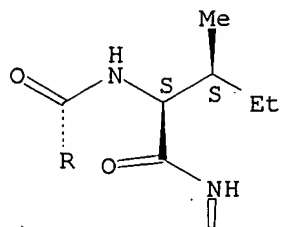
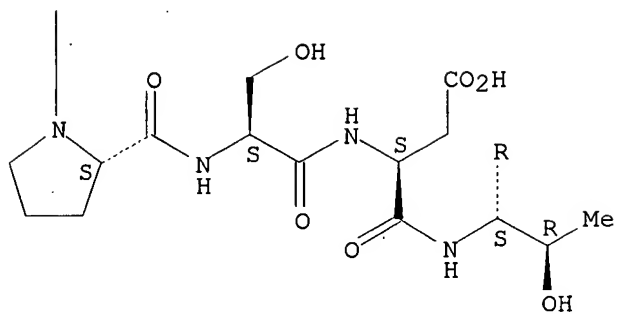
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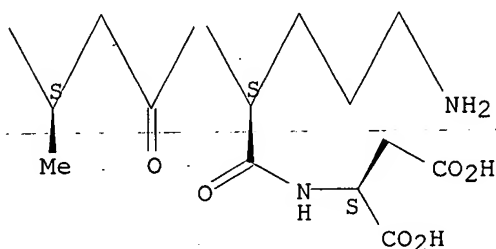
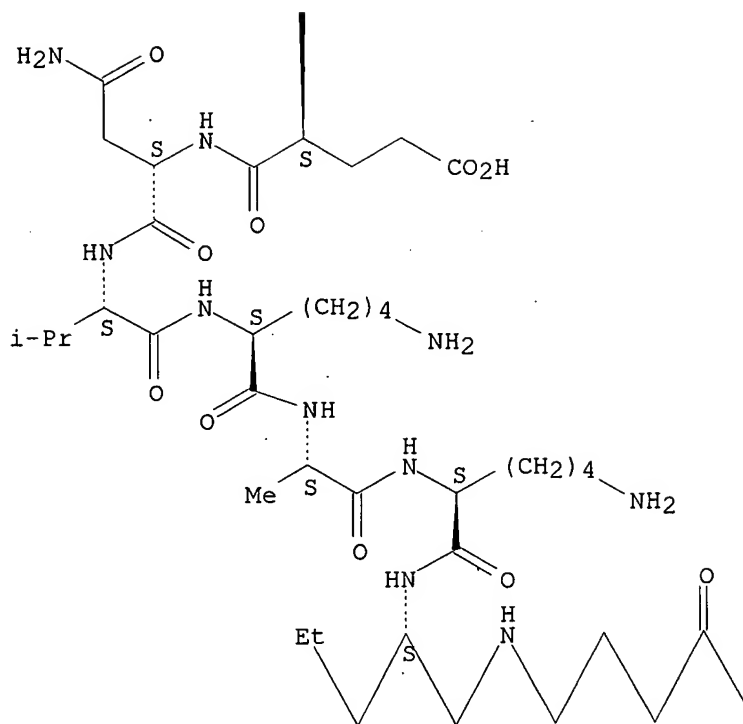


PAGE 1-C



PAGE 2-A





1 REFERENCES IN FILE CA (1907 TO DATE)
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L2 ANSWER 9 OF 9 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 140207-70-1 REGISTRY
 CN Glycine, N-[(1,1-dimethylethoxy)carbonyl]-L-methionyl-L-glutaminyl-L-isoleucyl-L-phenylalanyl-L-valyl-N6-[(1,1-dimethylethoxy)carbonyl]-L-lysyl-O-(1,1-dimethylethyl)-L-threonyl-L-leucyl-O-(1,1-dimethylethyl)-L-threonylglycyl-N6-[(1,1-dimethylethoxy)carbonyl]-L-lysyl-O-(1,1-dimethylethyl)-L-threonyl-L-isoleucyl-O-(1,1-dimethylethyl)-L-threonyl-L-leucyl-L-.alpha.-glutamyl-L-valyl-L-.alpha.-glutamyl-L-prolyl-O-(1,1-dimethylethyl)-L-seryl-L-.alpha.-aspartyl-O-(1,1-dimethylethyl)-L-threonyl-L-isoleucyl-L-.alpha.-glutamyl-L-asparaginyll-L-valyl-N6-[(1,1-dimethylethoxy)carbonyl]-L-lysyl-L-alanyl-N6-[(1,1-dimethylethoxy)carbonyl]-L-lysyl-L-isoleucyl-L-glutaminyl-L-.alpha.-aspartyl-N6-[(1,1-dimethylethoxy)carbonyl]-L-lysyl-L-.alpha.-glutamyl-,
 16,18,21,24,32,34-hexakis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)
 FS PROTEIN SEQUENCE
 SQL 35
 NTE modified (modifications unspecified)

SEQ 1 MQIFVKTLTG KTITLEVEPS DTIENVKAKI QDKEG

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HITS AT: 1-23

MF C250 H435 N43 O69 S

CI MAN

SR CA

LC STN Files: CA, CAPLUS

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 2003:449504 CAPLUS
 DN 139:258282
 TI Structure analysis of ubiquitin from Theragra chalcogramms egg
 AU Wu, Huijian; Nose, Takeru; Noda, Kosaku; Shimohigashi, Yasuyuki
 CS Department of Chemistry, Faculty and Graduate School of Sciences, Kyushu
 University, Fukuoka, 812-8581, Japan
 SO Peptide Science (2003), Volume Date 2002, 39th, 195-198
 CODEN: PSCIFQ; ISSN: 1344-7661
 PB Japanese Peptide Society
 DT Journal
 LA English
 RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT
 IT 583867-38-3P 583867-39-4P 600695-23-6P **600695-67-8P**
600695-88-3P
 RL: BSU (Biological study, unclassified); PRP (Properties); PUR
 (Purification or recovery); BIOL (Biological study); PREP (Preparation)
 (amino acid sequence; structure anal. of ubiquitin and vitellogenin
 from Alaska pollack egg)

L3 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 2002:555663 CAPLUS
 DN 137:104788
 TI Labile fusion proteins for the introduction of foreign proteins into a
 cell membrane
 IN Michel, Denis
 PA Universite de Rennes, Fr.
 SO PCT Int. Appl., 30 pp.
 CODEN: PIXXD2
 DT Patent
 LA French
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002057462	A1	20020725	WO 2002-FR217	20020118
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
FR 2819811	A1	20020726	FR 2001-773	20010119
EP 1352071	A1	20031015	EP 2002-712014	20020118
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
PRAI FR 2001-773	A	20010119		
WO 2002-FR217	W	20020118		

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 151336-46-8 191936-91-1 287379-76-4 442852-20-2 442852-21-3
 442852-22-4 442852-23-5 **442852-24-6** 442852-25-7
 442852-26-8
 RL: PRP (Properties)
 (unclaimed sequence; labile fusion proteins for the introduction of
 foreign proteins into a cell membrane)

L3 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 2002:483028 CAPLUS
 DN 137:41739
 TI Use of an 8.4 kDa protein as an immunophilin reagent in protein binding assays for immunosuppressive drugs
 IN Soldin, Steven J.
 PA Children's Research Institute, USA
 SO U.S., 16 pp.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6410340	B1	20020625	US 2000-643723	20000823
	US 2003082829	A1	20030501	US 2002-73334	20020213
PRAI	US 2000-643723	A3	20000823		

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT **438449-82-2**
 RL: PRP (Properties)
 (immunophilin protein as reagent in protein binding assays for immunosuppressive drugs)

L3 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 2000:345417 CAPLUS
 DN 133:146530
 TI Primary structure of CHH/MIH/GIH-like peptides in sinus gland extracts from *Penaeus vannamei*
 AU Wang, Y. J.; Hayes, T. K.; Holman, G. M.; Chavez, A. R.; Keeley, L. L.
 CS Department of Entomology, Texas A&M University, College Station, TX, 77843-2475, USA
 SO Peptides (New York) (2000), 21(4), 477-484
 CODEN: PPTDD5; ISSN: 0196-9781

-----PB-----Elsevier Science Inc.

DT Journal
 LA English

IT **287398-39-4** 287417-48-5 287478-97-1 287478-98-2
 287478-99-3

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL
 (Biological study)
 (amino acid sequence; primary structure of CHH/MIH/GIH-like peptides in sinus gland exts. from *Penaeus vannamei*)

L3 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1999:290400 CAPLUS
 DN 131:85917
 TI Proteolytic degradation of hemoglobin in erythrocytes yields biologically active peptides
 AU Karelina, A. A.; Filippova, M. M.; Yatskin, O. N.; Blishchenko, E. Yu.; Nazimov, I. V.; Ivanov, V. T.
 CS Shemyakin-Ovchinnikov Institute of Bioorganic Chemistry, Russian Academy of Sciences, Moscow, 117871, Russia
 SO Bioorganicheskaya Khimiya (1998), 24(4), 271-281
 CODEN: BIKHD7; ISSN: 0132-3423

PB MAIK Nauka
 DT Journal
 LA Russian

IT 34027-29-7 83759-54-0 93265-50-0 138472-07-8 152685-85-3
 164984-77-4 164984-78-5 164984-79-6 164984-80-9 164984-81-0
 164984-82-1 174451-82-2 183014-26-8 193904-30-2 201854-01-5
 229980-61-4 229980-62-5 229980-63-6 229980-64-7 229980-65-8

229980-66-9	229980-67-0	229980-68-1	229980-69-2	229980-70-5
229980-73-8	229980-76-1	229980-78-3	229980-80-7	
229980-83-0	229980-85-2	229980-87-4	229980-89-6	229980-91-0
229980-92-1	229980-94-3	229980-97-6	229981-01-5	229981-03-7
229981-06-0	229981-08-2	229981-11-7	229981-14-0	229981-16-2
229981-19-5	229981-20-8	229981-22-0	229981-24-2	229981-27-5
229981-30-0	229981-35-5	229981-38-8	229981-40-2	229981-43-5
230284-17-0	230284-18-1	230284-19-2	230284-20-5	230284-21-6
230284-22-7	230284-23-8	230284-24-9	230284-25-0	230284-27-2

RL: BOC (Biological occurrence); BPR (Biological process); BSU (Biological study, unclassified); MFM (Metabolic formation); PRP (Properties); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU (Occurrence); PROC (Process)

(proteolytic degrdn. of Hb in erythrocytes yields biol. active peptides)

L3 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1992:174736 CAPLUS

DN 116:174736

TI Solid phase peptide synthesis: fluoride ion release of protected peptide fragments

AU Ramage, Robert; Barron, Christine A.; Bielecki, Stanislaw; Holden, Robert; Thomas, David W.

CS Dep. Chem., Univ. Edinburgh, Edinburgh, EH9 3JJ, UK

SO Tetrahedron (1992), 48(3), 499-514

CODEN: TETRAB; ISSN: 0040-4020

DT Journal

LA English

IT 114671-20-4P **140207-70-1P**

RL: SPN (Synthetic preparation); PREP (Preparation)

(prepn. of, by solid-phase method with (hydroxymethylphenyl)trimethylsilylpropanoate handle)

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